

TOP SECRET

20 JUL 1967

MEMORANDUM FOR : Deputy Director (Plans)

SUBJECT : DD/R Requirement for Information
on TALL KING Radar

1. In support of a high priority program, the DD/R has the most urgent requirement to determine the over-all system capability of the TALL KING, considered to be the prime Soviet early warning radar.

2. Heretofore, these radars were ensconced within the USSR border. Information now available (including a visual sighting) indicates at least five possible TALL KINGs in East Germany. The locations have been placed at:

Herik	54° 06'N	11° 37'E
Pritzwalk	53° 09'N	12° 11'E
Quedlinburg	51° 47'N	11° 09'E
Plauen	50° 30'N	12° 08'E
Werneuchen Aflld.	52° 38'N	13° 44'E

It is felt the deployment of these radars to Eastern Europe affords a better opportunity for exploitation than previously available. The information required is not available from technical collection.

3. First of all, in order to completely satisfy this requirement, it is requested that an all out effort be undertaken to obtain an instruction manual on the TALL KING radar. Secondly, realizing the magnitude and barriers involved, the following information would aid the other technical collection efforts in arriving at an evaluation of the system capability:

- a. Detail photos
- b. Transmitter power
- c. Vulnerability to natural phenomena (meteor showers, high winds, etc.)
- d. Vulnerability to ECM
- e. Range, altitude and target speed capability
- f. Use of modulation-on-pulse techniques
- g. Mode and format of communicating target information to Command Headquarters
- h. MII capability

92
TS-155882
Copy 3 of 8
Page 1 of 2

4. In view of the priority, it is felt that the dollar value of a TALL KING instruction manual is considerably greater than for other radar sets. We fully realize the problem of levying such technical requirements as listed in paragraph 3 and would, therefore, like to discuss the details with you further at your convenience.

SIGNED

EDWARD B. GILLER
Acting Deputy Director
(Research)

Attachment:
Map of East Germany

SIGNATURE RECOMMENDED:

25X1A9a

Colonel, USAF
Assistant Director, OSA

25X1A2g DD/OSA/[REDACTED]:rel
(19 July 1962)

Distribution:

- 1-DD/P w/att
- 2-3-DD/R w/o att
- 4-AD/SA w/o att
- 5-C/DD/OSA w/o att
- 6-DD/OSA w/o att
- 7-DD/OSA/Chrono w/o att
- 8-RB/OSA w/o att

42
TS-1558
Copy 3 of 8
Page 2 of 2

MISSING PAGE

Approved For Release 2000/09/11 : CIA-RDP66R00638R000100090023-9

ORIGINAL DOCUMENT MISSING PAGE(S):

Attachment missing

Approved For Release 2000/09/11 : CIA-RDP66R00638R000100090023-9